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vliver_pbpk.Parms <-
list(
  BW = 70,    # body weight of human (kg)
  Vartc = 3000/1000/70/0.44/2, # Half blood volume (L/kg BW) converted from plasma using hematocrit,
values from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
  Vvenc = 3000/1000/70/0.44/2, # Half blood volume (L/kg BW) converted from plasma using hematocrit,
values from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
  Vgutc = 0.0171, # Fraction of body weight for GI tract Brown et al. Tox. and Ind. Health 13, 407-484
(1997)
  Vliverc = 1800/1000/70, # Fraction BW from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
assuming 1 mL = 1 g
  Vkidneyc = 310/1000/70, # Fraction BW from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
assuming 1 mL = 1 g
  Vlungc = 1000/1000/70, # Fraction BW from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
assuming 1 mL = 1 g
  Vdermc = 0.0371, # Fraction of body weight for GI tract from Brown et al. Tox. and Ind. Health 13, 407-
484 (1997)
  Vrestc = 0.01,#
  Qcardiac = 5600/1000*60/(70)^(3/4), # L/h/kgbw - Data from Davis & Morris, Pharmaceutical Res 10,
1093, 1993
  Qgutf = 1100/5600, # Fraction - Data from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
  Qliverf = 1450/5600, # Fraction - Data from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
  Qkidneyf = 1240/5600, # Fraction - Data from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
  Qdermf = 0.058, # Fraction - from Brown et al. Tox. and Ind. Health 13, 407-484 (1997)
  Qgfrc = 125/1000*60/(70)^(3/4), # L/h/kgbw - Data from Davis & Morris, Pharmaceutical Res 10, 1093,
1993
  hematocrit = 0.44, # Fraction - Data from Davis & Morris, Pharmaceutical Res 10, 1093, 1993
  Krbc2plasma = 0,
  Kliver2plasma = 1,
  Kderm2plasma = 1,
  Krest2plasma = 1,
  Kkidney2plasma = 1,
  kgutabs = 1,
  kinhab = 1,
  kdermabs = 1,
  Fraction_unbound_plasma = 1,
  CLbiliary = 0,
  CLmetabolism = 0,
  ivdose = 0,    # mg/kg
## Inputs from diet
## [col1] is hr, [col2] is mg/kg
DietInput = matrix(c(0,0,1,0),nrow=2,ncol=2),
UseAmounts=0,
Cair=0,
Ccontact=0
)

```